



RECEIVED

JUN 21 2004

TC 1700

PATENT
Attorney Docket No. ZCO-108

161
1733
RECEIVED
JUN 22 2004
TC 1700

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Bredt *et al.* CONFIRMATION NO.: 6314
SERIAL NO.: 09/706,350 GROUP NO.: 1733
FILING DATE: November 3, 2000 EXAMINER: S. Maki
TITLE: MATERIAL SYSTEMS AND METHODS OF THREE-
DIMENSIONAL PRINTING

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 8th day of June, 2004.


Emily Walsh

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

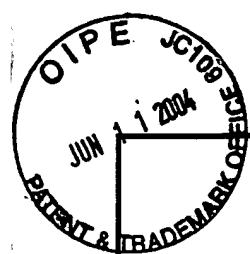
Sir:

Submitted herewith are:

1. Transmittal Form (1 pg.);
2. Fee Transmittal Form (1 pg.);
3. Check in the amount of \$180.00;
4. Supplemental Information Disclosure Statement (2 pgs.);
5. Form PTO-1449 (2 pgs.);
6. Copies of Cited References A1-A16, B1-B6 and C1-C4; and a
7. Return Receipt Postcard.

3076540

RECEIVED
JUN 22 2004
TC 1700



TRANSMITTAL FORM

Application Serial Number	09/706,350
Filing Date	November 3, 2000
First Named Inventor	Bredt
Group Art Unit	1733
Examiner Name	S. Maki
Attorney Docket No.	ZCO-108
Patent No.	Not applicable
Issue Date	Not applicable

RECEIVED

JUN 21 2004

TC 1700

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences
<input type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets _____]	<input type="checkbox"/> Formal Drawing(s)	<input type="checkbox"/> Appeal Brief (in triplicate)
<input type="checkbox"/> Petition for Extension of Time	<input type="checkbox"/> Request For Continued Examination (RCE) Transmittal	<input type="checkbox"/> Status Inquiry
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input checked="" type="checkbox"/> Form PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations A1-A16, B1-B6 and C1-C4	<input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8
<input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application	<input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8
	<input type="checkbox"/> Notification Regarding Small Entity Status under 37 C.F.R. 1.27	<input type="checkbox"/> Additional Enclosure(s) (please identify below)
	<input type="checkbox"/> CD(s) for large table or computer program	
	<input type="checkbox"/> Amendment After Allowance	
	<input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	

RECEIVED

JUN 22 2004

TC 1700

CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator
Testa, Hurwitz & Thibault, LLP
125 High Street
Boston, MA 02110
Tel. No.: (617) 248-7000
Fax No.: (617) 248-7100

SIGNATURE BLOCK

Respectfully submitted,

Date: June 8, 2004
Reg. No. 44,381
Tel. No.: (617) 310-8327
Fax No.: (617) 248-7100

Natasha C. Us
Attorney for Applicants
Testa, Hurwitz & Thibault, LLP
125 High Street
Boston, MA 02110



FEE TRANSMITTAL
FY 2004

Complete if Known

Application Serial Number	09/706,350
Filing Date	November 3, 2000
First Named Inventor	Bredt
Group Art Unit	1733
Examiner Name	S. Maki
Attorney Docket No.	ZCO-108

RECEIVED

JUN 21 2004

TC-1700

METHOD OF PAYMENT

1. ☒ Payment Enclosed:
☒ Check ☐ Money Order ☐ Other

2. ☒ The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 20-0531.
☐ Required Fees (copy of this sheet enclosed).
☒ Additional fee required under 37 CFR 1.16 and 1.17.
☒ Overpayment Credit.

3. ☐ Applicant claims small entity status.

FEE CALCULATION

1. FILING FEE

Large Entity Fee (\$)	Fee Description	Fee Paid
770	Utility filing fee	
340	Design filing fee	
160	Provisional filing fee	

	Number Filed	Number Extra	Rate	Amount
Total Claims	- 20 =		x \$ 18.00 =	
Independent Claims	- 3 =		x \$ 86.00 =	
<input type="checkbox"/> Multiple Dependent Claim(s), if any \$290.00 =				
TOTAL:				(\$)
SMALL ENTITY DISCOUNT:				
SUBTOTAL (1)				(\$) 0.00

2. AMENDMENT CLAIM FEES

Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid
Total	-	=	x \$ 18.00 =	
Indep.	-	=	x \$ 86.00 =	
<input type="checkbox"/> First Presentation of Multiple Dep. Claim + \$290.00 =				
TOTAL:				(\$)
SMALL ENTITY DISCOUNT:				(\$)
SUBTOTAL (2)				(\$) 0.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description
130	65	Surcharge - late filing fee or oath
50	25	Surcharge - late provisional filing fee or cover sheet
130	130	Non-English specification
2,520	2,520	Request for ex parte reexamination
110	55	Extension for reply within first month
420	210	Extension for reply within second month
950	475	Extension for reply within third month
1480	740	Extension for reply within fourth month
2010	1005	Extension for reply within fifth month
330	165	Notice of Appeal
330	165	Filing a brief in support of an appeal
290	145	Request for oral hearing
130	130	Petitions to the Commissioner
180	180	Submission of Information Disclosure Statement
770	385	Filing a submission after final rejection (37 CFR 1.129(a))
770	385	For each additional invention to be examined (37 CFR 1.129(b))
100	100	Certificate of Correction for applicant's error
110	55	Submission of Terminal Disclaimer
Other fee (Specify)		
Other fee (Specify)		

RECEIVED

JUN 22 2004

TC-1700

SUBTOTAL (3) (\$) 180.00

SUBTOTAL (1) 0.00
SUBTOTAL (2) 0.00
SUBTOTAL (3) 180.00

TOTAL (\$) 180.00

CORRESPONDENCE ADDRESS

Direct all correspondence to:

Patent Administrator
Testa, Hurwitz & Thibault, LLP
125 High Street
Boston, MA 02110
Tel. No.: (617) 248-7000
Fax No.: (617) 248-7100

SIGNATURE BLOCK

Respectfully submitted,

Date: June 8, 2004
Reg. No. 44,381
Tel. No.: (617) 310-8327
Fax No.: (617) 248-7100

Natasha C. Us
Natasha C. Us
Attorney for Applicants
Testa, Hurwitz & Thibault, LLP
125 High Street
Boston, MA 02110



PATENT
Attorney Docket No. ZCO-108

RECEIVED
JUN 21 2004
TC 1700

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Bredt *et al.* CONFIRMATION NO.: 6314
SERIAL NO.: 09/706,350 GROUP NO.: 1733
FILING DATE: November 3, 2000 EXAMINER: S. Maki
TITLE: MATERIAL SYSTEMS AND METHODS OF THREE-
 DIMENSIONAL PRINTING

RECEIVED
JUN 22 2004
TC 1700

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☐ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☒ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☒ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

06/15/2004 SSITHIB1 00000081 09706350

01 FC:1806

180.00 DP

- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

In addition, Applicants wish to inform the Examiner about the following co-pending patent applications, including the Office actions issued therein:

- 1) 10/255,139, filed on September 25, 2002, by Brecht *et al.*;
- 2) 10/650,086, filed on August 26, 2003, by Brecht *et al.*; and
- 3) 10/848,831, filed on May 19, 2004, by Brecht *et al.*

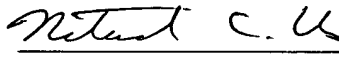
RECEIVED
JUN 22 2004
TC 1700

Respectfully submitted,

Date: June 8, 2004
Reg. No. 44,381

Tel. No.: (617) 310-8327
Fax No.: (617) 248-7100

3076579



Natasha C. Us
Attorney for Applicants
Testa, Hurwitz & Thibault, LLP
125 High Street
Boston, Massachusetts 02110



RECEIVED

JUN 22 2004

TC 1700

SHEET 1 OF 2

FORM PTO - 1449

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: ZCO-108

APPLICANT(S): Bredt *et al.*

SERIAL NO.: 09/706,350

FILING DATE: November 3, 2000

GROUP: 1733

RECEIVED
JUN 21 2004
TC 1700

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	4,665,492	05/12/1987	Masters			
	A2	5,433,280	07/18/1995	Smith			
	A3	5,490,882	02/13/1996	Sachs <i>et al.</i>			
	A4	5,660,621	08/26/1997	Bredt			
	A5	5,697,043	12/09/1997	Baskaran <i>et al.</i>			
	A6	5,772,947	06/30/1998	Hull <i>et al.</i>			
	A7	5,805,971	09/08/1998	Akedo			
	A8	5,851,465	12/22/1998	Bredt			
	A9	5,870,307	02/09/1999	Hull <i>et al.</i>			
	A10	6,007,318	12/28/1999	Russell <i>et al.</i>			
	A11	6,112,109	08/29/2000	D'Urso			
	A12	6,193,922	02/27/2001	Ederer			04/14/1998
	A13	6,403,002	06/11/2002	van der Geest			12/03/1999
	A14	6,416,850	07/09/2002	Bredt <i>et al.</i>			01/29/1999
	A15	6,423,255	07/23/2002	Hoechsmann <i>et al.</i>			03/24/2000
	A16	6,610,429	08/26/2003	Bredt <i>et al.</i>			04/10/2001
EXAMINER					DATE CONSIDERED		



RECEIVED

JUN 22 2004

TC 1700

SHEET 2 OF 2

RECEIVED
JUN 21 2004
TC 1700

FORM PTO - 1449					ATTORNEY DOCKET NO.: ZCO-108				
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT					APPLICANT(S): Bredt <i>et al.</i>				
					SERIAL NO.: 09/706,350				
					FILING DATE: November 3, 2000				
					GROUP: 1733				
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
	B1	DE 1985 3834	05/31/2000	DE				Y	Y
	B2	06-289612	10/18/1994	JP				N	Abstract only
	B3	11-116875	04/27/1999	JP				N	Abstract only
	B4	2001-162351	06/19/2001	JP			12/08/1999	N	Abstract only
	B5	WO 98/09798	03/12/1998	PCT				N	Y
	B6	WO 98/46415	10/22/1998	PCT				N	Y
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
	C1	Ederer, "A 3D Print Process for Inexpensive Plastic Parts," Presentation for the Austin Solid Freeform Conference, 1995.							
	C2	German, <u>Powder Injection Molding</u> , (1990), pp. 32-43 and 92-95.							
	C3	International Search Report for PCT/US00/30347, September 24, 2001, 9 pgs.							
	C4	International Preliminary Examination Report for PCT/US00/30347, March 19, 2002, 28 pgs.							
EXAMINER					DATE CONSIDERED				

3061733